

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-65. (Canceled)

66. (Original) A method of diagnosing a sample for a cancerous cell or pathogen, comprising:

- obtaining a sample from a patient containing a population of cells;
- introducing the population of cells into a fish;
- detecting a property of the population of cells to indicate whether the population comprises a cancerous cell or pathogen.